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OM protein - protein search, using sw model

Run on:

August 14, 2001, 14:37:58 ; Search time 40.49 Seconds

(without alignments)
1421.405 Million cell updates/sec

Title: PCT-US01-1856BA-2

Partial score: 2342

Sequence: I MDPDSQPIINSIIVKPLRKP.....WIKVKSAYINWYINWKKEL 435

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched: 425026 seqs, 132305027 residues

Total number of hits satisfying chosen parameters: 425026

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: SPREMBL_16:*
- 2: sp_archeal:*
- 3: sp_bacteria:*
- 4: sp_fungi:*
- 5: sp_human:*
- 6: sp_invertebrate:*
- 7: sp_mammal:*
- 8: sp_orangutan:*
- 9: sp_phage:*
- 10: sp_plant:*
- 11: sp_rabbit:*
- 12: sp_unclassified:*
- 13: sp_vertebrate:*
- 14: sp_virus:*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	2337	99.8	437	4	Q9NRSA		Q9urs4 homo sapien
2	2198	93.9	423	4	Q9NZA5		Q9urs5 homo sapien
3	686.5	29.3	767	13	Q9PCR2		Q9drg2 xenopus lae
4	620.5	26.8	445	11	Q9ER03		Q9er03 mus musculo
5	574	24.5	457	4	Q9HS33		Q9hs33 homo sapien
6	568.5	24.3	311	11	Q9ER04		Q9er04 mus musculo
7	568	24.3	418	4	Q9D235		Q9d235 homo sapien
8	562	24.0	273	11	Q9ER02		Q9er02 mus musculo
9	527	22.5	279	11	Q9ER04		Q9er04 mus musculo
10	504.5	21.5	329	6	Q9GL10		Q9gl10 rattus norv
11	504.5	21.5	1524	13	Q91674		Q91674 ovis aries
12	503.5	21.5	305	11	Q9RHJ7		Q9rhj7 xenopus lae
13	498.5	21.3	377	6	P79343		P79343 bos taurus
14	496	21.2	643	6	Q9J506		Q9j506 sus scrofa
15	493.5	21.1	421	11	Q9D491		Q9d491 cavia porce
16	488.5	20.9	1113	11	Q9Z319		Q9z319 mus musculo
17	488	20.8	812	11	Q9RN03		Q9rn03 rattus norv
18	486	20.8	389	13	Q9PVX7		Q9px7 xenopus lae
19	484	20.7	1042	4	Q9Y505		Q9y505 homo sapien

Database : SPTREMBL_16::*

```

2: sp_bacteria:*
3: sp_fungi:*
4: sp_human:*
5: sp_invertebrate:*
6: sp_mammal:*
7: sp_mhc:*
8: sp_organule:*
9: sp_phage:*
10: sp_plant:*
11: sp_rat:*
12: sp_unclassifi_d:*
13: sp_vertebrate:*
14: sp_virus:*

```

prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

Result No.	Score	Query Match	Length	DB	ID	Description
1	2337	99.8	437	4	09hrs4	09nrsa homo sapien
2	2198	93.9	423	4	09nzs5	09nzs5 homo sapien
3	6286.5	29.3	767	13	09dgr2	09dgr2 xenopus laevis
4	268.5	26.8	445	11	09er03	09er03 mus musculus
5	574	24.5	457	4	09is3s3	09is3s3 homo sapien
6	568.5	24.3	311	11	09er04	09er04 mus musculus
7	568	24.3	18	4	090235	09er04 homo sapien
8	562	24.0	273	11	09er02	09er02 mus musculus
9	527	22.5	279	11	09qz74	09qz74 ractus norvegicus
10	504.5	21.5	329	6	09G110	09g110 ovis aries
11	504.5	21.5	1524	13	091674	091674 xenopus laevis
12	503.5	21.5	305	11	09rhj7	09rhj7 mus musculus
13	498.5	21.3	377	6	P93433	bos taurus
14	496	21.2	643	6	097506	097506 sus scrofa
15	493.5	21.1	421	11	090491	090491 carica porcata
16	488.5	20.9	1113	11	092319	09z319 mus musculus
17	488	20.8	612	11	09rw03	09rw03 ratulus norvegicus
18	486	20.8	389	13	09pvx7	09pvx7 xenopus laevis
19	484	20.7	1042	4	09y5q5	09y5q5 homo sapien

הנִזְקָנָה

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: August 14, 2001, 14:37:58 ; Search time 40.49 seconds
(without alignments)
1421.405 million cell updates/sec

Title: PCT-US01-18568A-2
Perfect score: 2342
Sequence: IADPDSDQPLNSLDVVKPLRKPVYTKVSAYLWMIYNNWKAEL 435

Scanned: 423026 seqs, 132305027 residues

Total number of hits satisfying chosen parameters: 425026

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Q9yuh2 homo sapien
 Q9yur1 *xenopus laevis*
 Q9nrr8 homo sapien
 U29519 suis scrotal
 Q9ymo homo sapien
 Q9yvn1 drosophila
 Q9qu1 mus musculus
 Q9x2m7 stronglyloce
 Q9u152 homo sapien
 Q9j117 rattus norvegicus
 Q9wpg9 *paracitellus*
 Q9yqz9 mus musculus
 Q9g194 homo sapien
 Q9j334 homo sapien
 Q9nr2 homo sapien
 Q9hs0 homo sapien
 Q9y7q0 *paratitellus*
 Q9ha3 homo sapien
 Q9us87 rattus norvegicus
 Q9nat0 anophelites gambiae
 Q9yj95 homo sapien
 Q9nis5 anopheles qatarum
 Q9yv1 polyandracroceiventris
 Q9xy11 *rhynopterina*
 Q9vsl1 mus musculus

Db	4	DDSDOPLNISDVYKPLKPRIPMTRKIGIPTIALASITIVVWLIKVIDYFL	Qy	76	DGELDCPIEDEEHCVKSPEGPAVAVLSKDRSTLQLDSATGNWSACFDNTEALAE
Qy	62	CGOPLHIFPRKQLCGELCOPGLGDEEHCVKSPEGPAVAVLSKDRSTLQLDSATGNW 121	Db	64	DGEIDCPGEGEDBICVIPSPEGPAVAVLSKDRSTLQLDSATGNWSACFDNTEALAE
Db	64	CGOPLHIFPRKQLCGELCOPGLGDEEHCVKSPEGPAVAVLSKDRSTLQLDSATGNW 121	Qy	136	TACHOMGYSKKPFRAVEIGPDDIDLVETENSOELMRNSGCLSCSLLSVLCLAGC 195
Qy	122	FSACFDNTEALAEATACROMGYSSKKPFRAVEIGPDDIDLVETENSOELMRNSGCLSCSLLSVLCLAGC 181	Db	124	TACROMGYSKKPFRAVEIGPDDIDLVETENSOELMRNSGCLSCSLLSVLCLAGC 183
Db	124	FSACFDNTEALAEATACROMGYSSKKPFRAVEIGPDDIDLVETENSOELMRNSGCLSCSLLSVLCLAGC 183	Qy	196	KSLKTPRUVGEEASVSNWPKHVSQYDQHNCUJSILDPHMLWTAHCFRKHTDVFMK 255
Qy	182	LSGSVLVSLCAGKSLKTPRUVGEEASVSNWPKHVSQYDQHNCUJSILDPHMLWTA 241	Db	184	KSLKTPRUVGEEASVSNWPKHVSQYDQHNCUJSILDPHMLWTAHCFRKHTDVFMK 243
Db	184	LSGSVLVSLCAGKSLKTPRUVGEEASVSNWPKHVSQYDQHNCUJSILDPHMLWTA 243	Qy	256	VRACSDKLGSFPSLAVAKLIEFNPYKONDIALMKLQPLTES 315
Qy	242	AHCFRKHTDWFNWVKYRAGEDDKLGSPSLAVAKLIEFNPYKONDIALMKLQPLTES 301	Db	244	VRAGSKGKFPSLAVAKLIEFNPYKONDIALMKLQPLTES 303
Db	244	AHCFRKHTDWFNWVKYRAGEDDKLGSPSLAVAKLIEFNPYKONDIALMKLQPLTES 303	Qy	316	LTPATPLWIGMFTKONGKMSDILQASQVQIDSTRCNADAYO 361
Qy	302	GTVRPICLPPDEELTPATPLWIGMFTKONGKMSDILQASQVQIDSTRCNADAYO 361	Db	304	LTPATPLWIGMFTKONGKMSDILQASQVQIDSTRCNADAYO 363
Db	304	GTVRPICLPPDEELTPATPLWIGMFTKONGKMSDILQASQVQIDSTRCNADAYO 363	Qy	376	GGVOTCGDGGPLMYQSDQWHVVGIVSWGIGCCGPSTPGVTKS 421
Qy	362	GEVTEKMKCAGIPEGGVDPQCQGSGGPMYQSDQWHVVGIVSWGIGCCGPSTPGVTKS 421	Db	364	GGVOTCGDGGPLMYQSDQWHVVGIVSWGIGCCGPSTPGVTKS 423
Db	364	GEVTEKMKCAGIPEGGVDPQCQGSGGPMYQSDQWHVVGIVSWGIGCCGPSTPGVTKS 423	Qy	422	AYLNWLYNNWKAEL 435
Db	424	AYLNWLYNNWKAEL 437	RESULT	2	
RESULT	2		ID	OQNZA5	PRELIMINARY:
ID	OQNZA5	PRELIMINARY:	PRT:	423 AA.	
AC	QDNZAS;	PRELIMINARY:	PRT:	423 AA.	
DT	01-OCT-2000 (TREMBLrel. 15, Created)		ID	09DR2	PRELIMINARY:
DT	01-OCT-2000 (TREMBLrel. 15, Last sequence update)		AC	09DR2;	
DT	01-MAR-2001 (TREMBLrel. 16, Last annotation update)		DT	01-MAR-2001 (TREMBLrel. 16, Last sequence update)	
DE	TYPE II MEMBRANE SERINE PROTEASE.		DT	01-MAR-2001 (TREMBLrel. 16, Last annotation update)	
OS	Homo sapiens (Human)		DE	EMBRYONIC SERINE PROTEASE-2.	
OC	Eukaryota; Metazoa; Chordata; Craniota; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.		GN	XESP-2.	
OX	NCBI_TaxID-9608;		OS	Xenopus laevis (African clawed frog)	
RN	[1]		OC	Xenoproteote; Metazote; Chordata; Craniota; Vertebrata; Eucoleostomi;	
RP	SEQUENCE FROM N. A.		OC	Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;	
RA	Smeekens S.S., Lorimer D.D., Wang E., Hou J., Linnevers C.; RT		OC	Xenopodinae; Xenopus.	
RT	"MT-SP2, a novel type II membrane serine protease expressed in trachea, colon and small intestine: identification, cloning, and chromosomal localization."		OX	NCBI_TaxID-8355;	
RL	Submitted (DEC-1999) to the EMBL/GenBank/DBJ databases.		RN	[1]	
CC	-1- SIMILARITY TO CHYMOTRYPSIN SERINE PROTEASE FAMILY (SL).		RP	SEQUENCE FROM N.A.	
DR	EMBL; AF216312; AR31436.1; -.		RX	MEDLINE-2036741; PubMed-#0903452;	
DR	InterPro; IPR001254; -.		RA	Yamada K., Takehisa T., Takeshima K.:	
DR	InterPro; IPR001314; -.		RT	*Isolation and characterization of three novel serine protease genes from Xenopus laevis.*	
DR	InterPro; IPR002172; -.		RL	Gene 252:209-216(2000).	
DR	PFAM: PF00057; Idi.recept_a; 1.		DR	EMBL: AB038497; BAB08217.1; -.	
DR	PFAM: PF00089; trypsin; 1.		KW	PROTEASE.	
DR	PRINTS; PR00742; CHYMOTRYPSIN.		SEQUENCE	767 AA: E0566A38796DE96E CRC64;	
DR	PROSITE; PS00134; TRYPSEN_HIS; UNKNOWN_1.		Query	Match	29.3%; Score 586.5; DB 13; Length 767;
DR	PROSITE; PS00135; TRYPSEN_SER; 1.		Best Local Similarity	38.3%; Pred. No. 1.1e-5;	
DR	SMART; SM00192; L01a; 1.		Matches	145; Conservative 58; Mismatches 153; Indels 23; Gaps 7;	
DR	Protease.		Qy	62	CGOPLHIFPRKQLCGELCOPGLGDEEHCVKSPEGPAVAVLSKDRSTLQLDSATGNW 121
SO	SEQUENCE	423 AA: 46397 MW: 90792AF0FF6AFEAQ CRC64;	Db	395	CGSSVSCUSSLQCDGSPDCPGEDEMSCVSIYPAD-----FOLQVTSVSAW 443
Qy	Query Match	93.9%; Score 2198; DB 4; Length 423;	Qy	122	FSACFDNTEALAEATACROMGYSSKKPFRAVEI---GPDDIDLVETENSOELMRNS 177
Qy	Similarity	97.4%; Pred. No. 7.6e-198;	Db	444	LPVCSVDYHDDFGFACODFGYNGSSSYNRVYOTLMSPYAPPGYFKLISGWRKSFYTSQY 503
Qy	Conservative	0; Mismatches 11; Indels 0; Gaps 0;	Db	564	KWVTAACHGVSYSASSGWRVFAGLTJKSYNSAYFVERIWHPGKSYNDIAL 623
Qy	93.9%; Score 2198; DB 4; Length 423;		Db	504	SSCYSGHNVLSLCHISCGVNLQYINGVLCGGS1SP 563
Qy	97.4%; Pred. No. 7.6e-198;		Qy	235	HWVLTAAIC-FRHTDWFNWVKYRAGSKLPSLA--VAKLIEFNPYKONDIAL 291
Qy	0; Mismatches 11; Indels 0; Gaps 0;		Db	564	KWVTAACHGVSYSASSGWRVFAGLTJKSYNSAYFVERIWHPGKSYNDIAL 623
Qy	93.9%; Score 2198; DB 4; Length 423;		Qy	292	MKLOPPLTSESGTVRPICLPPDEELTPATPLWIGMFTKONGKMSDILLOASQVOIDS 351

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GenFore version 4.5

SUMMARIES

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

AAV99417 standard; protein: 432 AA.
AAV99417;
08-AUG-2000 (first entry)
Human PRG1570 (JNQ1776) amino acid sequence SEQ ID NO: 275.
Human: pro polypeptide; membrane bound protein; receptor; diagnosis; transmembrane; secretion; immunoadhesion; pharmaceutical; screening.
Human: serine.

PFEK-C-E-HIS fusion	Fusion gene with	Amino acid sequence	Fusion gene with	Amino acid sequence
Fusion gene with				
Amino acid sequence				
Amino acid sequence				
Amino acid sequence				
Human serine protease				
Trypsin-like enzyme				
Human lung tumour				
Human lung tumour				
Human lung tumour				
Human lung tumour				
Human lung tumour				
Human lung tumour				
Human lung tumour				
Trypsin-like enzyme				
Mouse serine protease				
Mouse serine protease				
Mouse serine protease				
Mouse serine protease				
Human cancer associated protein				
Human serine protease				
Human TMPSKS2 protein				
Ovrl15 homolog protein				
Human PRO3B2 protein				
Human PRO3B2 (UNG encoded)				
Tumour associated protein				
ICP46,7 polypeptide				
Human tumour suppressor				
Human POF12-GTC				
Human prostate-associated				

PR 10-SEP-1998; 98US-0099763.
 PR 10-SEP-1998; 98US-0099792.
 PR 10-SEP-1998; 98US-0099808.
 PR 10-SEP-1998; 98US-0099812.
 PR 10-SEP-1998; 98US-0099815.
 PR 10-SEP-1998; 98US-0099816.
 PR 15-SEP-1998; 98US-0100385.
 PR 15-SEP-1998; 98US-0100388.
 PR 15-SEP-1998; 98US-0100390.
 PR 16-SEP-1998; 98US-0100584.
 PR 16-SEP-1998; 98US-0100627.
 PR 16-SEP-1998; 98US-0100661.
 PR 16-SEP-1998; 98US-0100662.
 PR 17-SEP-1998; 98US-0100664.
 PR 17-SEP-1998; 98US-0100669.
 PR 17-SEP-1998; 98US-0100684.
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 PR 17-SEP-1998; 98US-0100711.
 PR 17-SEP-1998; 98US-0100919.
 PR 17-SEP-1998; 98US-0100930.
 PR 18-SEP-1998; 98US-0100848.
 PR 18-SEP-1998; 98US-0100849.
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 PR 18-SEP-1998; 98US-0101068.
 PR 18-SEP-1998; 98US-0101071.
 PR 22-SEP-1998; 98US-0101476.
 PR 23-SEP-1998; 98US-0101477.
 PR 23-SEP-1998; 98US-0101471.
 PR 23-SEP-1998; 98US-0101472.
 PR 23-SEP-1998; 98US-0101474.
 PR 23-SEP-1998; 98US-0101475.
 PR 23-SEP-1998; 98US-0101915.
 PR 24-SEP-1998; 98US-0101916.
 PR 24-SEP-1998; 98US-0102207.
 PR 29-SEP-1998; 98US-0102240.
 PR 29-SEP-1998; 98US-0102310.
 PR 29-SEP-1998; 98US-0102311.
 PR 30-SEP-1998; 98US-0102484.
 PR 30-SEP-1998; 98US-0102485.
 PR 30-SEP-1998; 98US-0102570.
 PR 30-SEP-1998; 98US-0102571.
 PR 01-OCT-1998; 98US-0102684.
 PR 01-OCT-1998; 98US-0102685.
 PR 02-OCT-1998; 98US-0103288.
 PR 06-OCT-1998; 98US-0103449.
 PR 06-OCT-1998; 98US-0103450.
 PR 07-OCT-1998; 98US-0103144.
 PR 07-OCT-1998; 98US-0103155.
 PR 07-OCT-1998; 98US-0103288.
 PR 07-OCT-1998; 98US-0103395.
 PR 07-OCT-1998; 98US-0103396.
 PR 07-OCT-1998; 98US-0103401.
 PR 08-OCT-1998; 98US-0103633.
 PR 08-OCT-1998; 98US-0103679.
 PR 08-OCT-1998; 98US-0103711.
 PR 14-OCT-1998; 98US-0104257.
 PR 20-OCT-1998; 98US-0104987.
 PR 20-OCT-1998; 98US-0105000.
 PR 21-OCT-1998; 98US-0105002.
 PR 22-OCT-1998; 98US-0105040.
 PR 22-OCT-1998; 98US-0105669.
 PR 26-OCT-1998; 98US-0105266.
 PR 26-OCT-1998; 98US-0105693.
 PR 27-OCT-1998; 98US-0105944.
 PR 27-OCT-1998; 98US-0105807.
 PR 27-OCT-1998; 98US-0105881.

PR 27-OCT-1998; 98US-0105882.
 PR 27-OCT-1998; 98US-0106062.
 PR 28-OCT-1998; 98US-0106023.
 PR 28-OCT-1998; 98US-0106029.
 PR 28-OCT-1998; 98US-0106030.
 PR 28-OCT-1998; 98US-0106032.
 PR 28-OCT-1998; 98US-0106033.
 PR 28-OCT-1998; 98US-0106178.
 PR 29-OCT-1998; 98US-0106248.
 PR 29-OCT-1998; 98US-0106384.
 PR 29-OCT-1998; 98US-0106385.
 PR 30-OCT-1998; 98US-0106464.
 PR 03-NOV-1998; 98US-0106856.
 PR 03-NOV-1998; 98US-0106902.
 PR 03-NOV-1998; 98US-0106905.
 PR 03-NOV-1998; 98US-0106919.
 PR 03-NOV-1998; 98US-0106932.
 PR 03-NOV-1998; 98US-0106934.
 PR 10-NOV-1998; 98US-0107783.
 PR 17-NOV-1998; 98US-0108775.
 PR 17-NOV-1998; 98US-0108779.
 PR 17-NOV-1998; 98US-0108787.
 PR 17-NOV-1998; 98US-0108788.
 PR 17-NOV-1998; 98US-0108801.
 PR 17-NOV-1998; 98US-0108802.
 PR 17-NOV-1998; 98US-0108806.
 PR 17-NOV-1998; 98US-0108807.
 PR 17-NOV-1998; 98US-0108851.
 PR 17-NOV-1998; 98US-0108852.
 PR 18-NOV-1998; 98US-0108853.
 PR 18-NOV-1998; 98US-0108894.
 PR 18-NOV-1998; 98US-0108850.
 PR 18-NOV-1998; 98US-0108851.
 PR 18-NOV-1998; 98US-0108852.
 PR 18-NOV-1998; 98US-0108853.
 PR 18-NOV-1998; 98US-0108904.
 XX (GETH) GENENTECH INC.
 PI Baker K, Goddard A, Gurney AL, Smith V, Matanabe CK, Wood WI;
 XX DR WPI: 2000-237871/20.
 DR N-PSDB; AAA37099.
 XX PT New mammalian DNA sequences encoding transmembrane receptor or secreted PRO polypeptides, useful for screening or potential peptide or small molecule inhibitors of the relevant receptor/ligand interactions
 PT Claim 12; FIG 156; 773pp; English.
 PS XX
 CC AAA37022 to AAA37144 encode the new isolated human transmembrane receptor or secreted PRO polypeptides given in AA199340 to AA199662. The receptor or secreted PRO polypeptides given in AA199340 to AA199662. The transmembrane and receptor PRO proteins can be used for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interactions. The polypeptides and nucleotide sequences encoding them have various industrial applications, including uses as pharmaceutical and diagnostic agents. AA199345 to AA199340 represent PCR primers and hybridisation probes used in the isolation of the PRO polypeptides from the present invention.
 CC Sequence 432 AA;
 SQ

Query Match 79.1%; Score 1266; DB 21; Length 432;
 Best Local Similarity 97.4%; Pred. No. 1.9e-112;
 Matches 228; Conservatv 2; Mismatches 4; Indels 0; Gaps 0;

Qy	51 KIVGGVALDVDSWPMVSIQDKQIVCGGSIDDPHIVLTAHCFCKKHTDWNKVKRAGSD 110
Dy	199 : 258
Oy	111 KLGSPFSLAVAKIIEFNPMYPKNDIALMQLQPLTSESGTVRPICLFFDELTPTA P 170

Db	259 klgfslavakilliefnpmypkdialmkqflptsgtvrpclpfdeltptap 318	Matches	228:	Conservative	2:	Mismatches	4:	Indels	0:	Gaps	0:
Oy	171 LWIGMFTKONGKMSDILQASQVQIDSSTRCNADDAYGEVENTNMCGIPEGGVDT 230	Oy	51 KIVGG'ALDVDSWPMWQSYQYDQKUWCGGSLIUYWVWTAAIFRKHTWENWKURASD 110								
Db	319 Iwlgqftkngkmsdilqasqvidsstrcnaddaygeventekmcmcqipeggvdtc 378	Db	199 rvvggeeasvdswpqysiqydkqivcggqgildphwvltahcfrktdifnwkragsd 258								
Oy	231 QGDGGPLMOSDQHIVVGIVSMGCPEGGSTPGVYTKVAYLNLYNWKAE 284	Oy	111 KLGFSLAVAKILLIEFNPMYPKDIALMKQFLPTSGTVRPCLPFDELTPAP 170								
Db	379 qgdsggplmyqsdqhwvglvswgycqgpstpgvrtkvsaylnwiyvwkael 432	Db	259 klgfslavakilliefnpmypkdialmkqflptsgtvrpclpfdeltptap 318								
RESULT	2	RESULT	3								
ID	AAB87501	ID	AAB6166								
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XX		XX									
AC	AAB87501;	AC	AAB6166;								
XX		XX									
DT	15-MAY-2001 (first entry)	DT	02-APR-2001 (first entry)								
XX		XX									
DE	Human PRO1570.	DE	Protein of the invention #78.								
XX		XX									
KW	Human; PRO protein; mapping.	KW	Secreted; transmembrane; gene therapy.								
XX		XX									
OS	Homo sapiens.	OS	Unidentified.								
XX		XX									
PN	W0200116318-A2.	PN	W020078961-A1.								
XX		XX									
PD	08-MAR-2001.	PD	28-DEC-2000.								
XX		XX									
PP	24-AUG-2000; 2000WO-US23328.	PP	18-FEB-2000; 2000WO-US04142.								
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PR	01-SEP-1999; 99WO-US20111.	PR	23-JUN-1999; 99US-0141037.								
PR	15-SEP-1999; 99WO-US21090.	PR	20-JUL-1999; 99US-0144158.								
PR	07-DEC-1999; 99US-0169495.	PR	26-JUL-1999; 99US-0145608.								
PR	09-DEC-1999; 99US-0170362.	PR	01-SEP-1999; 99WO-US20111.								
PR	11-JAN-2000; 2000US-0175481.	PR	29-OCT-1999; 99US-0162006.								
PR	16-FEB-2000; 2000WO-US04341.	PR	30-NOV-1999; 99WO-US28313.								
PR	22-FEB-2000; 2000WO-US04414.	PR	02-DEC-1999; 99WO-US28551.								
PR	01-MAR-2000; 2000WO-US05601.	PR	16-DEC-1999; 99WO-US30895.								
PR	03-MAY-2000; 2000US-0187202.	PR	05-JAN-2000; 2000WO-US00219.								
PR	25-APR-2000; 2000US-0199397.	PR	06-JAN-2000; 2000WO-US00276.								
PR	22-MAY-2000; 2000WO-US14082.	PR									
PR	05-JUN-2000; 2000US-0209832.	PR									
PA	(GETH) GENENTECH INC.	PA									
XX		XX									
PI	Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;	PI									
PI	Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;	PI									
XX		XX									
DR	N-PSDB; AAC92113.	DR									
WPI	2001-183260/18.	WPI									
XX		XX									
PT	Eighty four nucleic acids encoding PRO polypeptides, useful in molecular biology, including use as hybridization probes, and in chromosome and gene mapping.	PT									
CC	Claim 12; Fig 112; 278pp; English.	CC									
XX		XX									
CC	The present sequence is a human PRO polypeptide (secreted and transmembrane). The PRO protein, and PRO agonists, PRO antagonists or anti-PRO antibodies are useful for preparation of a medicament useful in the treatment of a condition which is responsive to the PRO protein, agonists, antagonists or anti-PRO antibodies. The PRO protein may also be employed as molecular weight markers for protein electrophoresis. The PRO coding sequence has applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping.	CC									
CC	Sequence 432 AA;	CC									
PS		PS									
XX		XX									
PT	Baker KP, Botstein D, Destroyer L, Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ, Pau J, Paon M, Roy MA, Smith V, Stewart TA, Tumas D, Williams PM, Watanabe CK, Williams PM, Wood WI;	PT									
PT	WPI; 2001-071395/08.	PT									
XX		XX									
PT	Secreted and transmembrane proteins and nucleic acids designated PRO, useful as hybridization probes, in chromosome and gene mapping and gene therapy.	PT									
XX		XX									
PS	Claim 1; Fig 156; 787pp; English.	PS									
XX		XX									
CC	The present invention relates to secreted and transmembrane proteins. These proteins and the DNA encoding them may be used as hybridization probes, in chromosome and gene mapping and in the generation of anti-sense RNA and DNA. They may also be used to generate either transgenic animals or knockout animals which are in turn useful for development and screening of therapeutically useful reagents.	CC									
CC	The nucleic acids may also be used in gene therapy.	CC									

Query Match

Oy 79.1%; Score 1266; DB 22; Length 432;

Best Local Similarity

97.4%; Pred. No. 1.9e-112;